793-MULTIPROOF
Professional dust and waterproof extruded luminaires with LED modules.

For diverse industrial areas! (farming or food and outdoor)

YOUR MAIN BENEFITS:

The luminaires **fulfil the requirements of food law (HACCP) - highly resistant against several detergents and chemicals –** also **withstanding the high-pressure jet water** (on request IP69)

NEW

Unique
on the market

PMMA

MULTIPLE
RESISTANT
NH₃
Ta: -20 to +40°C

Mounting
Instruction Video

IP66

F

D

LED

Option:

IP67

IP69

1F

3F

FIELD OF APPLICATION:

Due to the construction principles of the extruded profile and the end caps, our LED fixtures ensure a **high grade of protection (IP66, IP67, IP69)** against dust, contamination and water permeation. In accordance with their IP grade, they can be widely used to illuminate spaces with dusty, humid environment.

Thanks to its enhanced weather and chemical resistance, 793-Multiproof is extremely versatile and suitable for a plenty of applications where errorfree functioning is desired.
The co-extruded PMMA profile allows us **placement in farming** industry or **in food-processing industry** and **in outdoor areas**.

TECHNICAL DESCRIPTION AND BENEFITS:

■ **Housing:** Made of **Acrylic (PMMA)** by **co-extrusion**, in white (RAL 9010) colour. The optical diffusing (upper) part is opalised. Thanks to the **strengthened Acrylic** raw material used, the whole fitting shows very high mechanical strength and **high heat and shock resistance** (=/> IK08). At the same time further main advantages of the PMMA also apply such as **weather, chemical and UV resistance**.

The **extruded opal** diffuser offers you:
- **high light transmissivity** (up to 89%)
- **homogenous, well-balanced light dispersing** (no shadows)
- **elimination of the dazzling effect** (no glare)
- **unique appearance** and **clean impression** (**no clips**, **no dots** of the single LED´s)

■ **End caps:** Made of impact resistant polyamide and glued to the body.

■ **Gear tray** (reflector): White powder coated steel sheet according to **Zhaga** standards or customized.

■ **Electrical components:** The adequate power supply is ensured through electronic driver, that is built into the luminaire.

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Main technical options

The gear tray is made of white powder coated steel sheet according to **Zhaga** standards.

1,5 min INSTALLATION TIME

The diffusing part of the co-extruded PMMA profile is made of UV stabilized, **opalized** material ensuring well-balanced light distribution and the elimination of glare. **The light angle is adjustable** thanks to the freely **rotatable tube** in the clamps (no shadows).

Ways of installing: With stainless steel **mounting clamps**. They are easy to install onto the **wall or ceiling**. The clamps can be positioned freely on the fixture thus the tube is freely rotatable.

Quick installation: thanks to the application of **rapid connector** (Adels, Stucchi, Wieland), the electrical connection is **fast and easy** even without disassembling the luminaire. **Your benefits:** significant **cost savings and increased competitiveness** on the market.

NH₃

In food industry and outdoor areas: thanks to the **venting plug** the **condensation** of the humidity inside the luminaire can be **avoided**.

In farmer industry: the luminaire is equipped with special chemically-resistant electronic components (LED modules with protective layer, hermetically sealed driver, tinned cables, Adels rapid connector)

The glued end caps are locked up hermetically ensuring the **high IP protection** (up to IP69).

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Technical data (extract)

* EPREL database is available at https://eprel.ec.europa.eu/screen/product/lightsources/xxxxxxx
(where the xxxxxxx have to be substituted by the reference number given in the last coloumn)

Products with 5 years warranty	Power (W)	Lum. total luminous flux emitted (lm)		Lum. efficacy (lm/W)		CCT (Kelvin)	CRI	Lifetime L70B50 (Ta=35°C)	Lifetime L80B10 (Ta=35°C)	A (mm)	B (mm)	Weight (kg)	EEI	Light source* (reference)
		PMMA	PC	PMMA	PC									
Lumnium EU 130 with Osram driver														
793 2ft (600mm)	24	3100	n.a.	128	n.a.	4000	>80	>72 000 h	>50 000 h	602	400	0,91	D	1059419
793 4ft (1200mm)	24	3300	n.a.	131	n.a.	4000	>80	>72 000 h	>50 000 h	1164	775	1,49	D	802364
793 5ft (1500mm)	30	4100	n.a.	137	n.a.	4000	>80	>72 000 h	>50 000 h	1462	975	1,79	D	734821
793 4ft (1200mm)	37	5000	n.a.	133	n.a.	4000	>80	>72 000 h	>50 000 h	1164	775	1,49	D	734862
793 5ft (1500mm)	51	6700	n.a.	134	n.a.	4000	>80	>72 000 h	>50 000 h	1462	975	1,79	D	734813
Lumnium EU PRO 160 with Osram driver														
793 4ft (1200mm)	22	3150	n.a.	143	n.a.	4000	>80	>72 000 h	>50 000 h	1164	775	1,49	C	803878
793 5ft (1500mm)	27	3900	n.a.	146	n.a.	4000	>80	>72 000 h	>50 000 h	1462	975	1,79	C	734800
793 4ft (1200mm)	32	4600	n.a.	149	n.a.	4000	>80	>72 000 h	>50 000 h	1164	775	1,49	C	803933
793 5ft (1500mm)	41	6300	n.a.	154	n.a.	4000	>80	>72 000 h	>50 000 h	1462	975	1,79	C	734760

Further options:

DALI   Kg

On request:

110V

Schematic drawing with main dimensions

B

86.5   Ø80

85

A
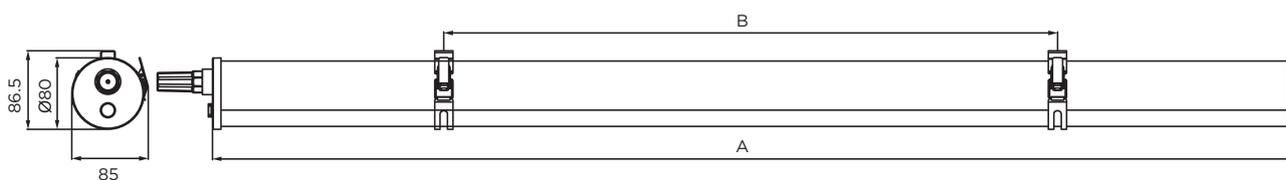
Photometric curves:

793-Multiproof, 5ft,
Lumnium EU 130, 51W, 6700 lm

150°   180°   150°
120°   120°
90°   90°
50
100
150
60°   200   60°
250
300
30°   0°   30°
— C0 / C180   cd / 1000 lm   ····· C90 / C270
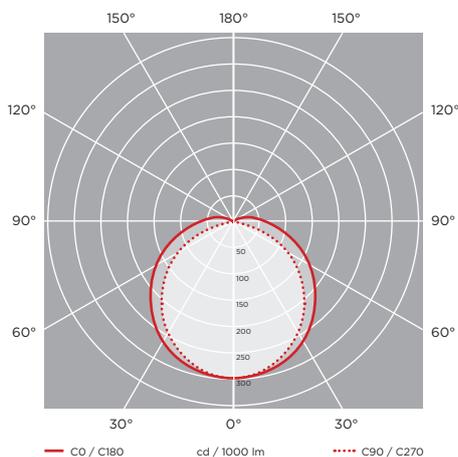
793-Multiproof, 5ft,
Lumnium EU 160, 41W, 6300 lm

150°   180°   150°
120°   120°
90°   90°
50
100
150
60°   200   60°
250
300
30°   0°   30°
— C0 / C180   cd / 1000 lm   ····· C90 / C270
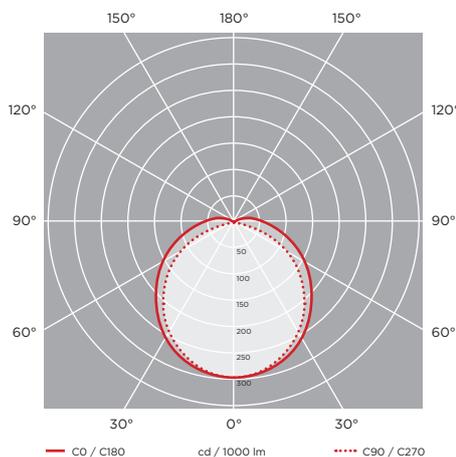
Luminaire customisation and the options of advanced controls are presented on page 5

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